

BEST AVAILABLE COPY

05/24/2006 WED 14:51 FAX 12489888363 Carlson, Gaskey & Olds → USPTO

4003/008

60426-200
2000P07837US01

AMENDMENTS TO THE CLAIMS:

This list of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A remote signaling receiver system comprising:
 - a first transmitter device that generates at least a first wireless communication signal;
 - a second transmitter device that generates at least a second wireless communication signal; and

a receiver that receives the first and second signals, the receiver including a first ASK demodulator for processing the first signal and a second demodulator for processing the second signal, the second demodulator is not affected by amplitude modulation on the second signal, the receiver is programmed to process all received signals using the first ASK demodulator and only when a received signal is not discernible from an output of the first ASK demodulator to process the received signal using the second demodulator.
2. (Previously Presented) The system of claim 1, wherein the second device and the receiver are supported on a vehicle and the second signal provides information regarding a condition of a selected vehicle component.

60426-210
2000P07837US01

3. (Previously Presented) The system of claim 2, wherein the second device includes a tire condition sensor and the second signal provides information regarding at least one condition of at least one of the vehicle tires selected from the group of tire pressure, tire temperature, tire thickness and acceleration.

4-5. (Cancelled)

6. (Previously Presented) The system of claim 1, wherein the first transmitter device signal has a first baud rate and the second transmitter device signal has a second baud rate that is at least two times higher than the first baud rate.

7-8. (Cancelled)

60426-200
2000P07837US01

9. (Previously Presented) A vehicle remote keyless entry system comprising:
a portable transmitter that generates a wireless communication signal;
at least one sensor device supported relative to a component on the vehicle that senses
a condition of the component and generates a wireless communication signal; and
a receiver supported on the vehicle that receives the wireless communication signal
from the transmitter and the sensor signal, the receiver including a first ASK demodulator for
processing the wireless communication signal from the transmitter and a second demodulator for
processing the sensor signal, the second demodulator is a demodulator that is not sensitive to
amplitude modulation, the receiver processing all received signals using the first ASK demodulator
and processing a received signal using the second demodulator only if the received signal is not
discernable from the processing by the first ASK demodulator.

10. (Previously Presented) The system of claim 9, wherein the sensor device includes a
tire condition sensor and the sensor signal provides information regarding a condition of at least one
vehicle tire.

11. (Cancelled)

60426-200
2000P07837US01

12. (Previously Presented) The system of claim 9, wherein the second demodulator is a FSK demodulator.

13. (Cancelled)

14. (Original) The system of claim 9, wherein the transmitter signal has a first baud rate and the sensor signal has a second baud rate that is at least two times higher than the first baud rate.

15. (Original) The system of claim 9, wherein the receiver includes a microprocessor that is programmed to receive the transmitter signal on a first channel and the sensor signal on an image channel.

16-20. (Cancelled)

21. (Previously Presented) The system of claim 9, wherein the second demodulator is a PSK demodulator.

22. (Previously Presented) The system of claim 1, wherein the second demodulator is one of a FSK demodulator or a PSK demodulator.

60426-200
2000P07837US01

23. (Currently Amended) A remote signaling receiver system comprising:
an FSK demodulator for receiving a wireless communication signal;
a second, different demodulator for receiving a wireless communication signal; and
a controller that causes a received signal to be processed by the FSK demodulator, the
controller determining if an output from the FSK demodulator is squelched during one state and
includes noise during an other state, the controller responsively causing the received signal to be
processed by the ASK-second, different demodulator when the output of the FSK demodulator is
squelched during the one state and there is noise during the other state.

24-27. (Cancelled)